

Dockerizing Semantic MediaWiki



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Dockerizing Semantic MediaWiki
SMW CON Fall 2015

Who Am I



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- What is Docker?
- Why dockerize SMW?
- How to dockerize SMW
- Hands on session

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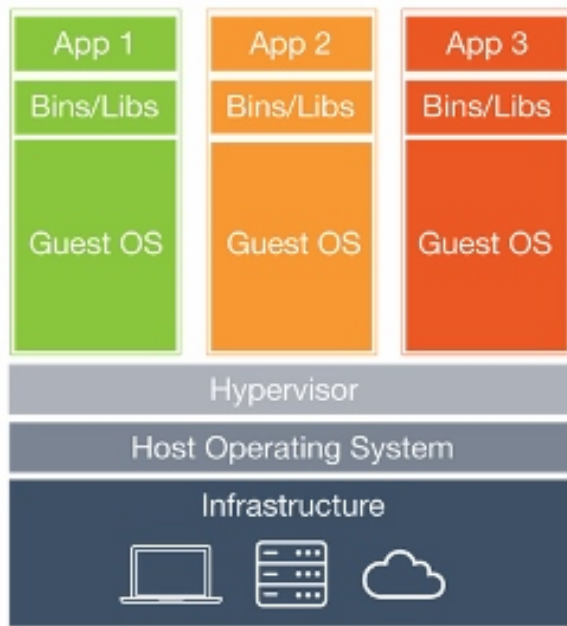
What Is Docker?



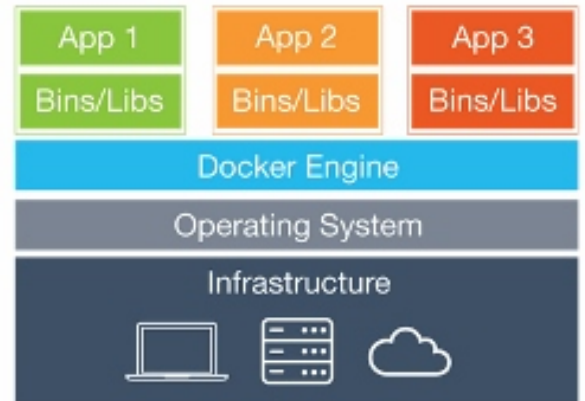
Docker is an open platform for building, shipping and running distributed applications. It gives programmers, development teams and operations engineers the common toolbox they need to take advantage of the distributed and networked nature of modern applications.

Learn More about Docker at  [ProfiWiki Docker page](#)

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Virtual Machines



Containers

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Why Dockerize SMW?



- Speed up installation / Get trial users up and running quickly
- Simplify Backup/Moving of installations
- Simplify Testing of new versions and configurations
- Support Wiki Families

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- Lots of parts
- Many steps
- Lots of details to care for
- May take hours (or days in case of problems)

Mediawiki installation

From EduTech Wiki

Mediawiki installation and configuration tips, in particular for an educational context.

- The documentation is tailored for Ubuntu 14LTS, but also could be helpful for other Linux versions, in particular of the Debian version
- Mediawiki installation tips were made for MW 1.24 (early 2015) using Ubuntu 14LTS. Also should work for close other version

Also consider buying Yaron Koren's book (<http://workingwithmediawiki.com>)

See also:

- Older more chaotic installation hints can be found in ManageMediaWiki
- General information about MediaWiki and nice extensions can be found in the Mediawiki article
- Mediawiki collection extension installation (tips for the "PDF/Pediapress books extension")
- Semantic MediaWiki and Semantic Forms (some stuff about these very ambitious extensions)
- Category:Mediawiki documentation (everything)

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 - 1.4.1 Mediawiki directories
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How To Dockerize SMW



The ProfiWiki layer cake recipe

Ingredients

- 1 small **Docker**  docker
- 1 decent **MediaWiki**  MediaWiki
- 1 nice dose of **Semantic MediaWiki**



Make the ProfWiki cake

Follow the instructions at [docker-](https://github.com/docker-library/semanticmediawiki)

[semanticmediawiki](https://github.com/docker-library/semanticmediawiki)



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<http://www.bigstockphoto.de/image-102321566> 102321566

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```
#!/bin/bash
# WF 2015-10-28
# Start building the SemanticMediaWiki Image
version="0.0.1"
# remember the time we started this
start_date=$(date -u +"%s")
# build the image
docker build -t bitplan/smw:$version .

# stop the end time
end_date=$(date -u +"%s")

# show how long this took
diff=$((end_date-start_date))
echo "build took $((diff % 60)) seconds."
```



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Questions/Discussion



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